

## Wind Powers Energy Savings

With nearly \$2.2 million in FTA funds for clean-energy projects, this Greater Lafayette Wind Energy Project—to erect three wind turbines—is designed to provide energy savings for the Greater Lafayette Public Transportation Corporation.



- ***Project name:*** Greater Lafayette Wind Energy Project
- ***Transit agency:*** Greater Lafayette Public Transportation Corporation
- ***Location:*** Lafayette, Indiana
- ***TIGGER goal:*** Energy reduction
- ***Award amount:*** \$2,180,750
- ***Estimated Lifetime Energy savings:*** 73,680 MBtu

The direct three-phase turbines are connected to the power grid, and will provide a renewable energy source to power the transit agency's administrative and maintenance facilities in Lafayette, Indiana. The agency's two buildings consume 768,000 kilowatt hours (kWh) of energy annually, previously using electricity purchased from the local utility provider. The goal is to use renewable energy sources to generate enough power to match what its facilities use every year.

With each wind turbine expected to generate about 180,000 kWh annually, the renewable wind electricity generated will meet about 70% of the transit agency's energy use.

Projects like this will help secure America's energy future and reduce our dependence on oil.